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Patent Application
of
BERND HANSEN
for
PRODUCTION DEVICE

Field of the Present Invention

The present invention relates to a production device for performing a blow molding, charging, and sealing process for plastic containers, including at least a molding device of a first type into which at least one tube of plasticized plastic material may be introduced.

Background of the Invention

Generic processes and devices for production of plastic containers are known in the state of the art (e.g., DE 199 26 329 A1). A tube of plasticized plastic material is extruded into a molding device with one end of the tube is sealed by bonding. This tube is expanded by generation of a pneumatic pressure gradient which acts on the tube and is applied for the purpose of formation of the container to the molding wall of the molding device having two opposite molding tools. The plastic container is charged under sterile conditions inside the molding device, by a suitable charging mandrel. After the charging mandrel has been removed, the plastic container is then hermetically sealed and a predetermined head geometry is formed by two container shaping jaws movable toward each other by hydraulic drive means to a closed position and away from each other over the same path in the opposite direction to an open position for formation of the plastic container itself for subsequent storage of the fluid.

The head geometries generated by the two controlled head jaws also regularly comprise the neck component of the plastic container, including ampules. The containers may be opened by a point of separation closed by a head piece for a fluid removal process as soon as the head